

CV-67


Engine Room

Representative Hot & Cold Checks/Tests

DAMAGE CONTROL	IA	LOA	1 MMR	4 MMR	2 MMR	3 MMR
Halon MRC Q-1R demonstration	X	X				
Halon MRC 18M-3R demonstration	X	X				
Halon bottle cali stickers, pressure, piping/nozzle integrity	X	X				
Halon actuation station integrity (local and remotes)	X	X				
AFFF bilge sprinkling piping/nozzle integrity	X	X				
AFFF hosereel/nozzle operation/activation stations	X	X				
AFFF space cutout valves locked open	X	X				
Ellison door closure/Escape trunk lighting/integrity	X	X				

MAIN ENGINES	IA	LOA	Nr 1	Nr 4	Nr 2	Nr 3
Three point check	X	X				
Low Pressure Alarm	X	X				
Standby/Emergency lube oil pump auto-start	X	X				
Lube oil Pump Sequencing	X	X				
Unloader operation	X	X				
Operation of turning gear and shaft locking device		X				
Guarding valve operation	X	X				
Cycle ahead and astern throttle through full travel	X	X				
Wrong direction alarm	X	X				
EOT and ROT transmitter operation		X				
Operation of gland exhaust fan	X	X				
Gland seal regulator in parameter	X					
Vent fog precipitator operation	X	X				
Inspect lube oil sample, sump level	X	X				

SHIP'S SERVICE TURBINE GENERATOR	IA	LOA	1A	1B	3A	3B
Manual trip	X	X				
Low lube oil trip	X	X				
Back pressure trip		X				
Low lube oil alarm	X	X				
Operation of elect lube oil pump and manual lube oil pump	X	X				
Lube oil strainer spray shield integrity, plug cock leakage, differential pressure, interlocks, SICLOS	X	X				
Alarm panel	X	X				
Inspect lube oil sample, sump level, dipstick markings	X	X				
Rotor position, bearing temps, oil flow through SFIs	X	X				
Operation of Aux Circ Pump and Aux Cond Pump	X	X				
Over-speed Trip (manual trip must be demonstrated first)	X					
Reverse power relay trip operation	X					
Governor high and low speed stops (generator not overspeed before reaching the high speed stop)	X					
Airbox telltale drains, temp alarms	X	X				

Legend: X - Demonstrate
O - Observe.
 - Check is not required or does not apply.

MAIN ENGINE LUBE OIL STRAINERS	IA	LOA	Nr 1	Nr 4	Nr 2	Nr 3
SICLOS (verify strainer basket integrity; vent, drain, equalizing valves operation; plug cock leakage; shifting interlock device; differential pressure)	X	X				
Spray shield integrity	X	X				

LUBE OIL PURIFIERS	IA	LOA	Nr 1	Nr 4	Nr 2	Nr 3
Operation within parameters						
Efficiency test						

MAIN CIRCULATING WATER SYSTEM	IA	LOA	Nr 1	Nr 4	Nr 2	Nr 3
Sea valve automatic/remote operation	X	X				
Emergency bilge suction valve operation		X				
Inspect lube oil sample, sump level, dipstick markings	X	X				
Pump SLG for freedom of movement	X	X				
Pump SLG operation	X					
Pump low lube oil trip restart (secure steam to operating pump, when pump stops, reapply steam. Pump should <u>not</u> start without resetting the trip handle)	X					


STEAM LO PUMPS	IA	LOA	Nr 1	Nr 4	Nr 2	Nr 3
Speed Limiting Governor freedom of movement	X	X				
Position of overload nozzle	X	X				
Turn pump by hand		X				
SLOP idle set point	X					
Speed Limiting Governor at set point	X					
Constant pressure regulator operation	X					
Pump running in parameters	X					
Inspect lube oil sample, sump level, dipstick markings	X	X				

MAIN CONDENSATE PUMPS	IA	LOA	1A	1B	4A	4B	2A	2B	3A	3B
Run direction of rotation	X	X								
Start/stop, high/low speed controller function	X	X								

MAIN SWITCHBOARDS & DISTRIBUTION PANELS	IA	LOA	Nr 1S	Nr 3S
Ground check	X	X		
Rubber boots, face shield, shorting probe	X	X		
Indicator lights	X	X		

ABT/MBT	IA	LOA	1 MMR	4 MMR	2 MMR	3 MMR
ABT operation in both automatic and manual modes	X	X				
Shift MBT, check manual interlock (both sources available)	X	X				

SALINITY ALARM PANEL	IA	LOA	1 MMR	4 MMR	2 MMR	3 MMR
Salinity panel meter calibration test	X	X				
Salinity panel alarm set points	X	X				
Alarm panel silent alarm test	X	X				
Alarm panel circuit failure test	X	X				

Legend: X - Demonstrate
 - Check is not required or does not apply.
 O - Observe.

FRESH WATER DRAIN COLLECTION TANK	IA	LOA	Nr 1	Nr 4	Nr 2	Nr 3
Pump operation	X	X				
Tank level controls when on vacuum drag	X					

STEAM FIRE PUMPS	IA	LOA	Nr 7	Nr 8	Nr 10	Nr 11
Speed Limiting Governor freedom of movement	X	X				
Position of overload nozzle	X	X				
Check valve leakage (no backwards pump rotation)	X	X				
Speed Limiting Governor at set point	X					
Constant pressure regulator operation	X					
Pump running in parameters	X					
Inspect lube oil sample, sump level, dipstick markings	X	X				

MAIN DRAIN SYSTEM	IA	LOA	1 MMR	4 MMR	2 MMR	3 MMR
Align and operate eductors	X	X				
Cycle remote operated valves locally	X	X				
Cycle remote operated valves remotely at port hydr station	X	X				
Cycle remote operated valves remotely at stbd hydr station	X	X				
Bilge suction strainer integrity	X	X				

VENTILATION	IA	LOA	1 MMR	4 MMR	2 MMR	3 MMR
Start/stop and high/low from local station	X	X				
Start/stop and high/low from remote station	X	X				
Indicator lights	X	X				

AUX MACHINERY COOLING WATER PUMP	IA	LOA	1 MMR	4 MMR	2 MMR	3 MMR
Local start/stop	X	X				
Direction of rotation	X	X				
Check valve leakage (no backwards pump rotation)	X	X				
Reducer operation	X	X				

Distilling plants	IA	LOA	Nr 3	Nr 4	Nr 1	Nr 2
All pumps operating correctly	X	X				
Dump valve automatic function	X	X				
Operating in parameters (temp/press/salinity)	X					
Salinity cell/dump valve set points	X	X				
Ameroyal system operation	X	X				

HP AIR SYSTEMS	IA	LOA	Nr 3	Nr 4	Nr 1	Nr 2
HPAC auto-start load/unload pressure	X	X				
HPAC operation within parameters	X	X				
HPAC low lube oil pressure shut down	X	X				
HPAC low lube oil pressure time delay	X	X				
HPAC high temp shut down	X	X				
Inspect lube oil sample, sump level, dipstick markings	X	X				
HPAD operation within in parameters	X	X				
HPAD not on bypass or cut-out, alarms not cut-out	X	X				
Align HP reducing station, HP/LP reducer operation	X	X				

Legend: X - Demonstrate
O - Observe.
■ - Check is not required or does not apply.


CV-67

Fire Room

Representative Hot & Cold Checks/Tests

DAMAGE CONTROL	IA	LOA	1 MMR	4 MMR	2 MMR	3 MMR
Halon MRC Q-1R demonstration	X	X				
Halon MRC 18M-3R demonstration	X	X				
Halon bottle cali stickers, pressure, piping/nozzle integrity	X	X				
Halon actuation station integrity (local and remotes)	X	X				
AFFF bilge sprinkling piping/nozzle integrity	X	X				
AFFF hosereel/nozzle operation/activation stations	X	X				
AFFF space cutout valves locked open	X	X				
Ellison door closure/Escape trunk lighting/integrity	X	X				

BOILERS	IA	LOA	1 A	1B	4 A	4B	2 A	2B	3 A	3B
Quick closing valves remote operation/leakage	idle	X								
Burner root valve/SSD/ball check leakage	idle	X								
Three-way valve operation and marking	X	X								
Fuel oil control valve proper minimum fuel oil pressure	idle	X								
Air register freedom of movement	idle	X								
Steam smothering system alignment	X	X								
Air casing lighting	X	X								
Periscope lighting and alignment	X	X								
Sufficient number of burner barrels and sprayer plates, correct go/no-go gages, hydro dates, instruction available	X	X								
Sample cooler preservation, operability, installation	X	X								
Soot blower element rotation/freedom of operation	X	X								
Main/Aux steam stop cycle locally/remotely	idle	X								
6 inch cat valve cycle locally/remotely	idle	X								
8 inch cat valve cycle locally/remotely	idle	X								
Safety valve yoke clearance, lifting fork movement, sequencing (LOA), locks & seals, escape piping temps/drains	X	X								
Pri/sec RWLI tracking/ high & low water alarms	X	X								
Boiler gage glass isolation valves and emergency lighting	X	X								
Sliding foot freedom of movement, accept grease, markings	X	X								
Test BID ac/dc power supply and operation, proper lamps, condition of lens, power cord integrity	X	X								
Bottom blow valve fasteners, orifice caps installed, leakage, valve operating device available and fits valve	X	X								
Sample boiler water	X									
Cycle boiler stops at local and remote stations	idle	X								
Cycle fuel oil cut-outs at local and remote stations	idle	X								

Legend: X - Demonstrate
 - Check is not required or does not apply.
O - Observe.

ELECTRIC FUEL OIL SERVICE PUMPS	IA	LOA	1E	4EB	2E	3E
Electric FOSP local/remote shutdown switch	X	X				
Electric FOSP discharge unloader operation	X	X				

STEAM FUEL OIL SERVICE PUMPS (FWD)	IA	LOA	1A	1B	1C	4A	4B	4C
Steam FOSP steam trip remote/local operation	X	X						
Steam FOSP constant pressure regulator operation	X							
Inspect lube oil sample, sump level, dipstick markings	X							
Speed limiting governor freedom of movement	X	X						
Speed limiting governor operation	X							
Sample fuel oil Service tank on suction	X	X						

STEAM FUEL OIL SERVICE PUMPS (AFT)	IA	LOA	2A	2B	2C	3A	3B	3C
Steam FOSP steam trip remote/local operation	X	X						
Steam FOSP constant pressure regulator operation	X							
Inspect lube oil sample, sump level, dipstick markings	X							
Speed limiting governor freedom of movement	X	X						
Speed limiting governor operation	X							
Sample fuel oil Service tank on suction	X	X						

FIRE SAFE FO STRAINERS			1 A	1B	4 A	4B	2 A	2B	3 A	3B
Check FSFOS ball valve leakage	X	X								
Shift FSFOS		X								

DEAERATING FEED TANK	IA	LOA	Nr 1	Nr 4	Nr 2	Nr 3
Operability of the MUF and dump valves (manual)	X	X				
Upper/lower shell temperatures in parameter	X	X				
Level control stability/sequencing of the MUF/dump valve	X					
Aux exhaust system valve sequencing (dump valves & augments set points, DFT shell pressure)	X					
Gage glass protection devices and isolation valves	X	X				
Sample cooler preservation, operability, installation	X	X				
Test dissolved oxygen level (<15 ppb)	X	X				
Test hydrazine level	X	X				

AUTOMATIC BOILER CONTROLS	IA	LOA	1 A	1B	4 A	4B	2 A	2B	3 A	3B
Boiler at setpoint	X									
Operation/tracking of all final control elements		X								
Operation of master/element air locks, master reset		X								
ACC air pressure alarms	X	X								
All control element fail positions correct		X								
Minimum signal selector (up ramp, FO should not move)		X								
ACC & FW control stability in automatic	X									
MFP recirc valve operation	X									

Legend: X - Demonstrate
O - Observe.
■ - Check is not required or does not apply.

FORCED DRAFT BLOWERS (1 MMR)	IA	LOA	1A1	1A2	1A3	1B1	1B2	1B3
Shutter freedom of movement, ability to be locked closed	X	X						
Inspect lube oil sample, sump level, dipstick markings	X	X						
Manual lube oil pump operation	X	X						
Centrifilter operation	X	X						
Lube oil system low pressure alarm/trip	X	X						
Shaft rotation by hand		X						
ELOP sequencing, attached LO pump able to take load	X							
FDB minimum speed set point	X							
FDB Speed Limiting Governor operation	X							

FORCED DRAFT BLOWERS (4 MMR)	IA	LOA	4A1	4A2	4A3	4B1	4B2	4B3
Shutter freedom of movement, ability to be locked closed	X	X						
Inspect lube oil sample, sump level, dipstick markings	X	X						
Manual lube oil pump operation	X	X						
Centrifilter operation	X	X						
Lube oil system low pressure alarm/trip	X	X						
Shaft rotation by hand		X						
ELOP sequencing, attached LO pump able to take load	X							
FDB minimum speed set point	X							
FDB Speed Limiting Governor operation	X							

FORCED DRAFT BLOWERS (2 MMR)	IA	LOA	2A1	2A2	2A3	2B1	2B2	2B3
Shutter freedom of movement, ability to be locked closed	X	X						
Inspect lube oil sample, sump level, dipstick markings	X	X						
Manual lube oil pump operation	X	X						
Centrifilter operation	X	X						
Lube oil system low pressure alarm/trip	X	X						
Shaft rotation by hand		X						
ELOP sequencing, attached LO pump able to take load	X							
FDB minimum speed set point	X							
FDB Speed Limiting Governor operation	X							

FORCED DRAFT BLOWERS (3 MMR)	IA	LOA	3A1	3A2	3A3	3B1	3B2	3B3
Shutter freedom of movement, ability to be locked closed	X	X						
Inspect lube oil sample, sump level, dipstick markings	X	X						
Manual lube oil pump operation	X	X						
Centrifilter operation	X	X						
Lube oil system low pressure alarm/trip	X	X						
Shaft rotation by hand		X						
ELOP sequencing, attached LO pump able to take load	X							
FDB minimum speed set point	X							
FDB Speed Limiting Governor operation	X							

ELECTRIC LIGHT OFF BLOWERS	IA	LOA	Nr 1	Nr 4	Nr 2	Nr 3
Electric light-off blower operation/shutter operation	X	X				

Legend: X - Demonstrate

O - Observe.

 - Check is not required or does not apply.

MAIN FEED PUMPS (FWD)	IA	LOA	1A	1B	1C	4A	4B	4C
MFP low suction trip (normally 3 psi apart)	X	X						
Low suction trip, pump rollover	X							
Low lube oil trip & alarm, ELOP & hand lube oil pump	X	X						
Inspect lube oil sample, sump level, dipstick markings	X							
ELOP autostart, attached LO pump to assume load	X							
Speed limiting governor freedom of movement	X	X						
Speed limiting governor operation	X							
Manual trip	X	X						
Overspeed trip operation	X							


MAIN FEED PUMPS (AFT)	IA	LOA	2A	2B	2C	3A	3B	3C
MFP low suction trip (normally 3 psi apart)	X	X						
Low suction trip, pump rollover	X							
Low lube oil trip & alarm, ELOP & hand lube oil pump	X	X						
Inspect lube oil sample, sump level, dipstick markings	X							
ELOP autostart, attached LO pump to assume load	X							
Speed limiting governor freedom of movement	X	X						
Speed limiting governor operation	X							
Manual trip	X	X						
Overspeed trip operation	X							

MAIN FEED BOOSTER PUMPS (FWD)	IA	LOA	1 A	1B	1C	1E	4 A	4B	4C	4E
Auto-start		X								
Low discharge pressure alarm		X								
Operating within normal parameters	X									

MAIN FEED BOOSTER PUMPS (AFT)	IA	LOA	2 A	2B	2C	2E	3 A	3B	3C	3E
Auto-start		X								
Low discharge pressure alarm		X								
Operating within normal parameters	X									

SALINITY ALARM PANELS	IA	LOA	1 MMR	4 MMR	2 MMR	3 MMR
Salinity panel meter calibration test	X	X				
Salinity panel alarm set points	X	X				
Alarm panel silent alarm test	X	X				
Alarm panel circuit failure test	X	X				

AIR PILOT/DIAPHRAGM OPERATED VALVES	IA	LOA	1 MMR	4 MMR	2 MMR	3 MMR
Manually stroke, check for binding		X				

Legend: X - Demonstrate
 - Check is not required or does not apply.
 O - Observe.

MAIN DRAIN SYSTEMS

	IA	LOA	1 MMR	4 MMR	2 MMR	3 MMR
Align and operate eductors	X	X				
Cycle remote operated valves locally	X	X				
Cycle remote operated valves remotely at port hydr station	X	X				
Cycle remote operated valves remotely at stbd hydr station	X	X				
Bilge suction strainer integrity	X	X				

FUEL OIL STRIPPING PUMP

	IA	LOA	Nr 1	Nr 4	NR 2	Nr 3
Align and perform token stripping of FO service tank	X	X				
Align and perform token pumping of bilge	X	X				

VENTILATION

	IA	LOA	1 MMR	4 MMR	2 MMR	3 MMR
Start/stop and high/low from local station	X	X				
Start/stop and high/low from remote station	X	X				
Indicator lights	X	X				

ABTs/MBTs


	IA	LOA	1 MMR	4 MMR	2 MMR	3 MMR
ABT operation in both automatic and manual modes	X	X				
Shift MBT, check manual interlock (both sources available)	X	X				

ACC AIR SYSTEMS

	IA	LOA	1 A	1B	4 A	4B	2 A	2B	3 A	3B
Compressor lead/lag settings per EOP	X	X								
Compressor operation within parameters	X	X								
Compressor low lube oil pressure shut down	X	X								
Compressor low lube oil pressure time delay	X	X								
Compressor high cylinder temp shut down	X	X								
Shift saltwater duplex strainer	X	X								
Dehydrator operation within parameters	X	X								
Dehydrator not on bypass or cutout, alarms not cutout	X	X								
Low control air pressure alarm	X	X								
Inspect lube oil sample, sump level, dipstick markings	X	X								

Legend: X - Demonstrate

O - Observe.

 - Check is not required or does not apply.

CV-67

Auxiliary Machinery Room (7-123-0-E) and Main Shafting

Representative Hot & Cold Checks/Tests


DAMAGE CONTROL	IA	LOA	AMR
Halon MRC Q-1R demonstration	X	X	
Halon MRC 18M-3R demonstration	X	X	
Halon bottle cali stickers, pressure, piping/nozzle integrity	X	X	
Halon actuation station integrity (local and remotes)	X	X	
AFFF bilge sprinkling piping/nozzle integrity	X	X	
AFFF hosereel/nozzle operation/activation stations	X	X	
AFFF space cutout valves locked open	X	X	
Ellison door closure/Escape trunk lighting/integrity	X	X	

SHIP'S SERVICE TURBINE GENERATOR	IA	LOA	2A	2B
Manual trip	X	X		
Low lube oil trip	X	X		
Back pressure trip		X		
Low lube oil alarm	X	X		
Operation of elect lube oil pump and manual lube oil pump	X	X		
Lube oil strainer spray shield integrity, plug cock leakage, differential pressure, interlocks, SICLOS	X	X		
Alarm panel	X	X		
Inspect lube oil sample, sump level, dipstick markings	X	X		
Rotor position, bearing temps, oil flow through SFIs	X	X		
Operation of aux circ pump and aux cond pump	X	X		
Over-speed trip (manual trip must be demonstrated first)	X			
Reverse power relay trip operation	X			
Governor high and low speed stops (generator not overspeed before reaching the high speed stop)	X			
Airbox telltale drains, temp alarms	X	X		

MAIN SWITCHBOARDS & DISTRIBUTION PANELS	IA	LOA	Nr 2S
Ground check	X	X	
Rubber boots, face shield, shorting probe	X	X	
Indicator lights	X	X	

ABTs/MBTs	IA	LOA	AMR
ABT operation in both automatic and manual modes	X	X	
Shift MBT, check manual interlock (both sources available)	X	X	

SALINITY ALARM PANEL	IA	LOA	AMR
Salinity panel meter calibration test	X	X	
Salinity panel alarm set points	X	X	
Alarm panel silent alarm test	X	X	
Alarm panel circuit failure test	X	X	

Legend: X - Demonstrate
O - Observe
 - Check is not required or does not apply.

ELECTRIC FIRE PUMP

	IA	LOA	Nr 9
Local and remote start/stop	X	X	
Direction of rotation	X	X	
Suction/discharge valve local/remote operation	X	X	
Check valve leakage (no backwards pump rotation)	X	X	

MAIN DRAIN SYSTEM

	IA	LOA	AMR
Align and operate eductors	X	X	
Cycle remote operated valves locally	X	X	
Cycle remote operated valves remotely at port hydrl station	X	X	
Cycle remote operated valves remotely at stbd hydrl station	X	X	
Bilge suction strainer integrity	X	X	

VENTILATION

	IA	LOA	AMR
Start/stop and high/low from local station	X	X	
Start/stop and high/low from remote station	X	X	
Indicator lights	X	X	

DISTILLING PLANT

	IA	LOA	Nr 5
All pumps operating correctly	X	X	
Dump valve automatic function	X	X	
Operating in parameters (temp/press/salinity)	X		
Salinity cell/dump valve set points	X	X	
Ameroyal system operation	X	X	

HIGH CAPACITY LP AIR SYSTEMS

	IA	LOA	Nr 1	Nr 2
Compressor operation within parameters	X	X		
Compressor low lube oil pressure shut down	X	X		
Compressor low lube oil pressure start-up time delay	X	X		
Compressor lube oil high temp alarm	X	X		
Compressor lube oil high temp shutdown	X	X		
Compressor low lube oil level shutdown	X	X		
Shift saltwater duplex strainer	X	X		
Dehydrator operation within parameters (dewpoint)	X	X		
Dehydrator not on bypass or cutout, alarms not cutout	X	X		
Low air pressure alarm	X	X		
Inspect lube oil sample, sump level, dipstick markings	X	X		

FUEL OIL TRANSFER PUMPS

	IA	LOA	Nr 3	Nr 4	Nr 5	Nr 6
Align and perform token fuel oil transfer	X	X				

AIR PILOT/DIAPHRAGM OPERATED VALVES

	IA	LOA	AMR
Manually stroke, check for binding		X	

Legend: X - Demonstrate

O - Observe

 - Check is not required or does not apply.

STERN TUBE SEALS	IA	LOA	Nr 1	Nr 2	Nr 3	Nr 4
Stern tube flushing and cooling water supply, filtering system, and leak-by	X	X				
Inflatable seal/CO2 supply	X	X				
Inflatable seal operation IAW PMS	X	X				
Test shaft seal low flow alarm	X	X				


AUXILIARY THRUST BEARINGS	IA	LOA	Nr 1	Nr 2	Nr 3	Nr 4
Inspect lube oil sample, sump level, dipstick markings	X	X				
Security seals, labels (IC, DC, date), oiler ring inspection	X	X				

LINE SHAFT BEARINGS (NR 1 SHAFT)	IA	LOA	1A	1B	1C	1D	1E	1F
Inspect lube oil sample, sump level, dipstick markings	X	X						
Security seals, labels (IC, date), oiler ring inspection	X	X						

LINE SHAFT BEARINGS (NR 2 SHAFT)	IA	LOA	2A	2B	2C	2D	2E
Inspect lube oil sample, sump level, dipstick markings	X	X					
Security seals, labels (IC, date), oiler ring inspection	X	X					

LINE SHAFT BEARINGS (NR 3 SHAFT)	IA	LOA	3A	3B	3C
Inspect lube oil sample, sump level, dipstick markings	X	X			
Security seals, labels (IC, date), oiler ring inspection	X	X			

LINE SHAFT BEARINGS (NR 4 SHAFT)	IA	LOA	4A	4B	4C	4D	4E
Inspect lube oil sample, sump level, dipstick markings	X	X					
Security seals, labels (IC, date), oiler ring inspection	X	X					

Legend: X - Demonstrate
O - Observe
 - Check is not required or does not apply.

CV-67

Emergency Diesel Rooms

Representative Hot & Cold Checks/Tests


DAMAGE CONTROL	IA	LOA	Nr 1	Nr 2
Halon MRC Q-1R demonstration	X	X		
Halon MRC 18M-3R demonstration	X	X		
Halon bottle cali stickers, pressure, piping/nozzle integrity	X	X		
Halon actuation station integrity (local and remotes)	X	X		
AFFF hosereel/nozzle operation/activation stations	X	X		
AFFF space cutout valves locked open	X	X		

EMERGENCY GENERATORS	IA	LOA	Nr 1	Nr 2
"Drop test", ability to assume load	X	X		
Manual trip	X	X		
Overspeed trip	X	X		
Low lube oil pressure alarm	X	X		
Lube oil high temp alarm	X	X		
Remote shutdown device	X	X		
JW high temp alarm	X	X		
Salt water circ pump operation	X	X		
Emergency salt water reducing station operation	X	X		
Barring device lockout	X	X		
Pedestal bearing high temp alarm	X	X		
Pre-lube pump operation	X	X		
Test jacket water	X	X		
Test lube oil for fuel oil dilution and acidity; inspect sump level, dipstick markings	X	X		
Generator operating at normal temperatures & pressures under load (minimum of 60%)	X	X		
Day tank level	X	X		

EMERGENCY SWITCHBOARDS	IA	LOA	Nr 1E	Nr 2E
Ground check	X	X		
Rubber boots, face shield, shorting probe	X	X		
Indicator lights	X	X		

ABT/MBT	IA	LOA	Nr 1	Nr 2
ABT operation in both automatic and manual modes	X	X		
Shift MBT, check manual interlock (both sources available)	X	X		

VENTILATION	IA	LOA	Nr 1	Nr 2
Start/stop and high/low from local station	X	X		
Start/stop and high/low from remote station	X	X		
Indicator lights	X	X		

Legend: X - Demonstrate
O - Observe
 - Check is not required or does not apply.

CV-67

Pump Room Nr 1 (7-48-0-E)

Representative Hot & Cold Checks/Tests


DAMAGE CONTROL	IA	LOA	1 PR
Halon MRC Q-1R demonstration	X	X	
Halon MRC 18M-3R demonstration	X	X	
Halon bottle cali stickers, pressure, piping/nozzle integrity	X	X	
Halon actuation station integrity (local and remotes)	X	X	
AFFF bilge sprinkling piping/nozzle integrity	X	X	
AFFF hosereel/nozzle operation/activation stations	X	X	
AFFF space cutout valves locked open	X	X	
Ellison door closure/Escape trunk lighting/integrity	X	X	

MAIN DRAIN SYSTEM	IA	LOA	1 PR
Align and operate eductors	X	X	
Cycle remote operated valves locally	X	X	
Cycle remote operated valves remotely at port hydrl station	X	X	
Cycle remote operated valves remotely at stbd hydrl station	X	X	
Bilge suction strainer integrity	X	X	

ELECTRIC FIRE PUMPS/ MAIN DRAIN SYSTEM	IA	LOA	Nr 1	Nr 2	Nr 3
Local & remote start/stop	X	X			
Suction/discharge valve local operation	X	X			
Check-valve back leakage (no backwards pump rotation)	X	X			

ABT/MBT	IA	LOA	1 PR
ABT operation in both automatic and manual modes	X	X	
Shift MBT, check manual interlock (both sources available)	X	X	

VENTILATION	IA	LOA	1 PR
Start/stop and high/low from local station	X	X	
Start/stop and high/low from remote station	X	X	
Indicator lights	X	X	

Legend: X - Demonstrate
O - Observe
 - Check is not required or does not apply.

CV-67

Pump Room Nr 2 (7-78-0-E)

Representative Hot & Cold Checks/Tests

DAMAGE CONTROL	IA	LOA	2 PR
Halon MRC Q-1R demonstration	X	X	
Halon MRC 18M-3R demonstration	X	X	
Halon bottle cali stickers, pressure, piping/nozzle integrity	X	X	
Halon actuation station integrity (local and remotes)	X	X	
AFFF bilge sprinkling piping/nozzle integrity	X	X	
AFFF hosereel/nozzle operation/activation stations	X	X	
AFFF space cutout valves locked open	X	X	
Ellison door closure/Escape trunk lighting/integrity	X	X	

MAIN DRAIN SYSTEM	IA	LOA	2 PR
Align and operate eductors	X	X	
Cycle remote operated valves locally	X	X	
Cycle remote operated valves remotely at hydrl station	X	X	
Bilge suction strainer integrity	X	X	


ELECTRIC FIRE PUMPS	IA	LOA	4	5	5A	6	6A
Local & remote start/stop	X	X					
Suction/discharge valve local/remote operation	X	X					
Check-valve back leakage (no backwards pump rotation)	X	X					

FUEL OIL TRANSFER PUMPS	IA	LOA	Nr 1	Nr 2
Align and perform token fuel oil transfer	X	X		

ELECTRIC FO STRIPPING PUMP	IA	LOA	Nr 1
Align and perform token stripping of FO service tank	X	X	
Align and perform token pumping of bilge	X	X	

ABT/MBT	IA	LOA	2 PR
ABT operation in both automatic and manual modes	X	X	
Shift MBT, check manual interlock (both sources available)	X	X	

VENTILATION	IA	LOA	2 PR
Start/stop and high/low from local station	X	X	
Start/stop and high/low from remote station	X	X	
Indicator lights	X	X	

Legend: X - Demonstrate
O - Observe
 - Check is not required or does not apply.

CV-67

Pump Room Nr 3 (7-185-0-E)

Representative Hot & Cold Checks/Tests

DAMAGE CONTROL	IA	LOA	3 PR
Halon MRC Q-1R demonstration	X	X	
Halon MRC 18M-3R demonstration	X	X	
Halon bottle cali stickers, pressure, piping/nozzle integrity	X	X	
Halon actuation station integrity (local and remotes)	X	X	
AFFF bilge sprinkling piping/nozzle integrity	X	X	
AFFF hosereel/nozzle operation/activation stations	X	X	
AFFF space cutout valves locked open	X	X	
Ellison door closure/Escape trunk lighting/integrity	X	X	

MAIN DRAIN SYSTEM	IA	LOA	3 PR
Align and operate eductors	X	X	
Cycle remote operated valves locally	X	X	
Cycle remote operated valves remotely at hydrl station	X	X	
Bilge suction strainer integrity	X	X	


ELECTRIC FIRE PUMPS	IA	LOA	12	13	13A	14	14A
Local & remote start/stop	X	X					
Suction/discharge valve local/remote operation	X	X					
Check-valve back leakage (no backwards pump rotation)	X	X					

FUEL OIL TRANSFER PUMPS	IA	LOA	Nr 7	Nr 8
Align and perform token fuel oil transfer	X	X		

ELECTRIC FO STRIPPING PUMP	IA	LOA	Nr 2
Align and perform token stripping of FO service tank	X	X	
Align and perform token pumping of bilge	X	X	

ABT/MBT	IA	LOA	3 PR
ABT operation in both automatic and manual modes	X	X	
Shift MBT, check manual interlock (both sources available)	X	X	

VENTILATION	IA	LOA	3 PR
Start/stop and high/low from local station	X	X	
Start/stop and high/low from remote station	X	X	
Indicator lights	X	X	

Legend: X - Demonstrate
O - Observe
 - Check is not required or does not apply.

CV-67

Pump Room Nr 5 (7-205-01-E)

Representative Hot & Cold Checks/Tests

DAMAGE CONTROL	IA	LOA	5 PR
Halon MRC Q-1R demonstration	X	X	
Halon MRC 18M-3R demonstration	X	X	
Halon bottle cali stickers, pressure, piping/nozzle integrity	X	X	
Halon actuation station integrity (local and remotes)	X	X	
AFFF bilge sprinkling piping/nozzle integrity	X	X	
AFFF hosereel/nozzle operation/activation stations	X	X	
AFFF space cutout valves locked open	X	X	
Ellison door closure/Escape trunk lighting/integrity	X	X	

MAIN DRAIN SYSTEM	IA	LOA	5 PR
Align and operate eductors	X	X	
Cycle remote operated valves locally	X	X	
Cycle remote operated valves remotely at port hydrl station	X	X	
Cycle remote operated valves remotely at stbd hydrl station	X	X	
Bilge suction strainer integrity	X	X	

ELECTRIC FIRE PUMPS	IA	LOA	15	16	17
Local & remote start/stop	X	X			
Suction/discharge valve local operation	X	X			
Check-valve back leakage (no backwards pump rotation)	X	X			

ABT/MBT	IA	LOA	5 PR
ABT operation in both automatic and manual modes	X	X	
Shift MBT, check manual interlock (both sources available)	X	X	

VENTILATION	IA	LOA	5 PR
Start/stop and high/low from local station	X	X	
Start/stop and high/low from remote station	X	X	
Indicator lights	X	X	

Legend: X - Demonstrate O - Observe
☐ - Check is not required or does not apply.